

FIG. 1

304 **ENQUEUER 306** MESSAGE NOTIFICATION CREATOR 202 MECHANISM 308 DIGEST VALIDATOR 310 COMPUTER 204 DIGEST SIGNER **DEQUEUER 312** 206 SENDING SENDING MECHANISM 314 MECHANISM 208 DATABASE SERVER 108 CLIENT 120 FIG. 3 FIG. 2

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RECEIVING MECHANISM 302

DIGEST VERIFIER

REQUEST
GENERATOR 402

SIGNING
MECHANISM 404

SENDING
MECHANISM 406

RECEIVING
MECHANISM 408

CLIENT104

3 FIG. 4

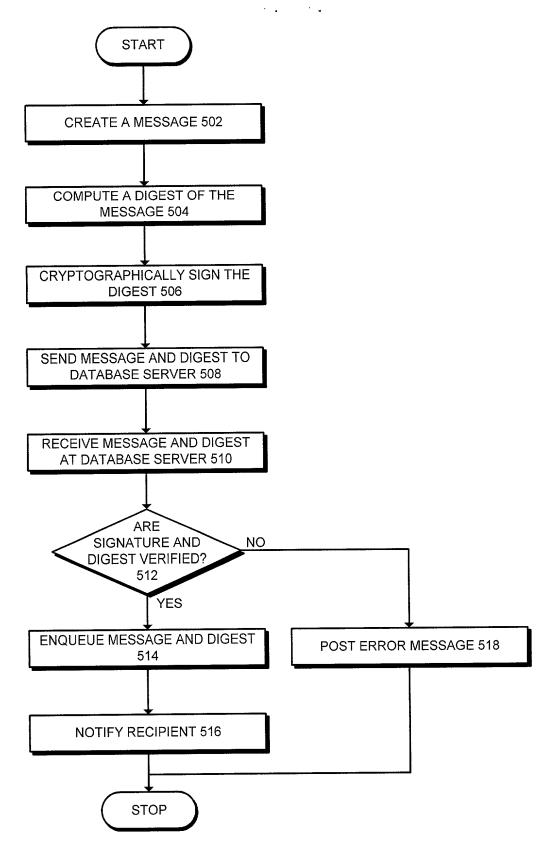


FIG. 5

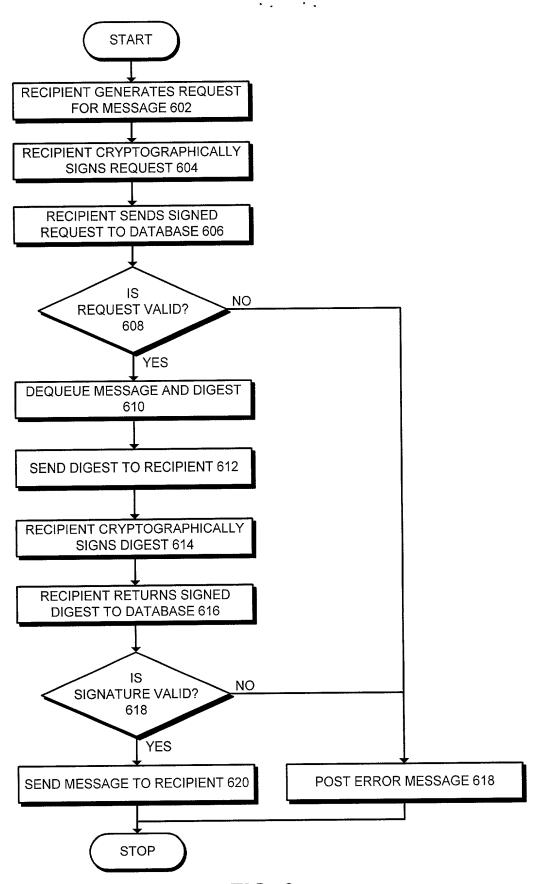


FIG. 6